

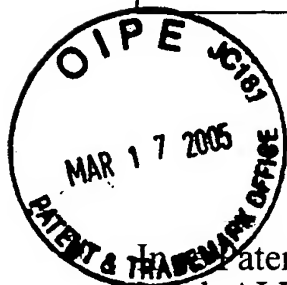
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV335377334US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: March 17, 2005

Signature: _____

Georgina Matos
Georgina Matos

PATENT
Docket No. 437252001200



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Patent Application of:
Mark ALVIS et al.

Serial No.: 10/082,443

Filing Date: February 22, 2002

For: METHODS AND COMPOSITIONS FOR
IMPROVED ARTICULAR SURGERY
USING COLLAGEN

Examiner: A. Mohamed

Group Art Unit: 1653

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of non-patent literature are submitted herewith. The Examiner is requested to make these documents of record.

03/21/2005 SFELEKE1 00000088 031952 10082443

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This Supplemental Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☐ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☒ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of ___ is enclosed.
 - ☒ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of ___ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist;

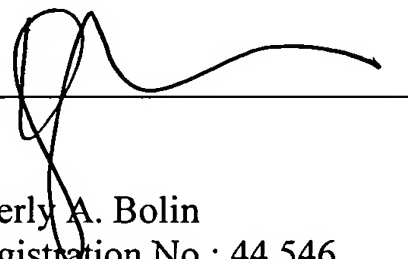
(iii) the information, protocols, results and the like reported by third parties are accurate or enabling;
or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing **437252001200**. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: March 17, 2005

Respectfully submitted,

By



Kimberly A. Bolin
Registration No.: 44,546
MORRISON & FOERSTER LLP
755 Page Mill Road
Palo Alto, California 94304
(650)813-5740

Substitute for form 1449/PTO

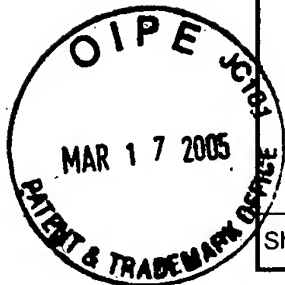
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/082,443
Filing Date	February 22, 2002
First Named Inventor	Mark ALVIS
Art Unit	1653
Examiner Name	A. Mohamed
Attorney Docket Number	437252001200

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1.	RE35748	03-17-1998	Luck et al.	
	2.	RE33375	10-09-1990	Luck et al.	
	3.	4,619,913	10-28-1986	Luck et al.	
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	21.	6,645,168	11-11-2003	Demopulos et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

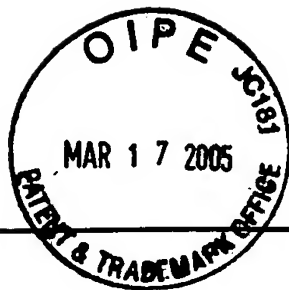
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	22.	Butterfield, N. et al. (2001). "Combined pre-and post-surgical bupivacaine wound infiltrations decrease opioid requirements after knee ligament reconstruction," <i>Can. J. Anesth.</i> 48(3):245-250.	
	23.	Cepeda, M. et al. (1997). "Intra-articular morphine, intra-articular bupivacaine, or subcutaneous morphine?" <i>Reg Anesth.</i> 22(3):223-238.	
	24.	Creamer, P. et al. (1996). "Pain mechanisms in osteoarthritis of the knee: effect of intraarticular anesthetic," <i>J. Rheumatol.</i> 23:1031-1036.	
	25.	De Andres, J. et al. (1998). "Intra-articular analgesia after arthroscopic knee surgery: comparison of three different regimens," <i>Eur. J. Anaesth.</i> 15:10-15.	

Examiner Signature		Date Considered	
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pa-950549



ALTERNATIVE TO PTO/SB/08a/b (06-03)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/082,443		
		Filing Date	February 22, 2002		
		First Named Inventor	Mark ALVIS		
		Art Unit	1653		
		Examiner Name	A. Mohamed		
Sheet	2	of	2	Attorney Docket Number	437252001200

26.	Debruyne, D. et al. (1985). "Monitoring serum bupivacaine levels during arthroscopy," <i>Eur. J. Clin. Pharmacol.</i> 27:733-735.	
27.	Finegold, H. (Date Unknown). "Applied Pharmacology of Local Anesthetics," located at < http://ramanathans.com/localchapterram[1].htm > visited on January 20, 2005. (7 pages).	
28.	Geutjens, G. et al. (1994). "Analgesic effects of intraarticular bupivacaine after day-case arthroscopy," <i>Arthroscopy</i> 10:299-300.	
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30.	Kaeding, C. et al. (1990). "Bupivacaine use after knee arthroscopy: pharmacokinetics and pain control study," <i>Arthroscopy</i> 6(1):33-39.	
31.	Liguori, G. et al. (2002). "Possible bupivacaine toxicity after intraarticular injection for postarthroscopic analgesia of the knee: implications of the surgical procedure," <i>Anesth. Analg.</i> 94:1010-1013.	
32.	McGhan Medical Corporation. (2000). "Zyderm® Collagen Implant Physician Package Insert", 2 pages.	
33.	McPherson, J. et al. (1988). "The effects of heparin on the physiochemical properties of reconstituted collagen," <i>Collagen Rel Res</i> 8(1):65-82.	
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35.	Purdue Pharm L.P. (1999). "Chirocaine® (Levobupivacaine Injection)" Catalog, 20 pages.	
36.	Rosenblatt, J. et al. (1989). "The effect of collagen fiber size distribution on the release rate of proteins from collagen matrices by diffusion," <i>J. Controlled Release</i> 9:195-203.	
37.	Schroeder-Tefft, J. et al. (1997). "Collagen and heparin matrices for growth factor delivery," <i>J. Controlled Release</i> 49:291-298.	
38.	Smith, I. et al. (1991). "Effects of local anaesthesia on recovery after outpatient arthroscopy," <i>Anesth. Analg.</i> 73:536-539.	
39.	Solanki, D. et al. (1992). "Serum bupivacaine concentrations after intraarticular injection for pain relief after knee arthroscopy," <i>Arthroscopy</i> 8(1):44-47.	
40.	Spivey, W. et al. (1987). "A clinical comparison of lidocaine and bupivacaine," <i>Ann Emerg. Med.</i> 16:752-757.	
41.	Varrassi, G. et al. (1999). "Intra-articular buprenorphine after knee arthroscopy: a randomised, prospective, double-blind study," <i>Acta Anaesthesiol. Scand.</i> 43:51-55.	
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*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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